this script is meant to verify the salary of a potential employee in his/ her previous company. We will use support vector regression model to learn from the position salary dataset of the potential employee's previous company and predict whether the potential employee earned 150k salary as a regional manager

1. Importing the dataset

```
dataset = read.csv('Position_Salaries.csv')
dataset = dataset[2:3]
```

2. Fitting Random Forest Regression to the dataset

```
library(randomForest)
```

```
## randomForest 4.6-14
```

```
## Type rfNews() to see new features/changes/bug fixes.
```

```
set.seed(1234)
regressor = randomForest(x = dataset[-2],
                         y = dataset$Salary,
                         ntree = 500)
```

3. Predicting a new result with Random Forest Regression

```
y_pred = predict(regressor, data.frame(Level = 6.5))
y_pred
```

```
##        1
## 160907.7
```

4. Visualising

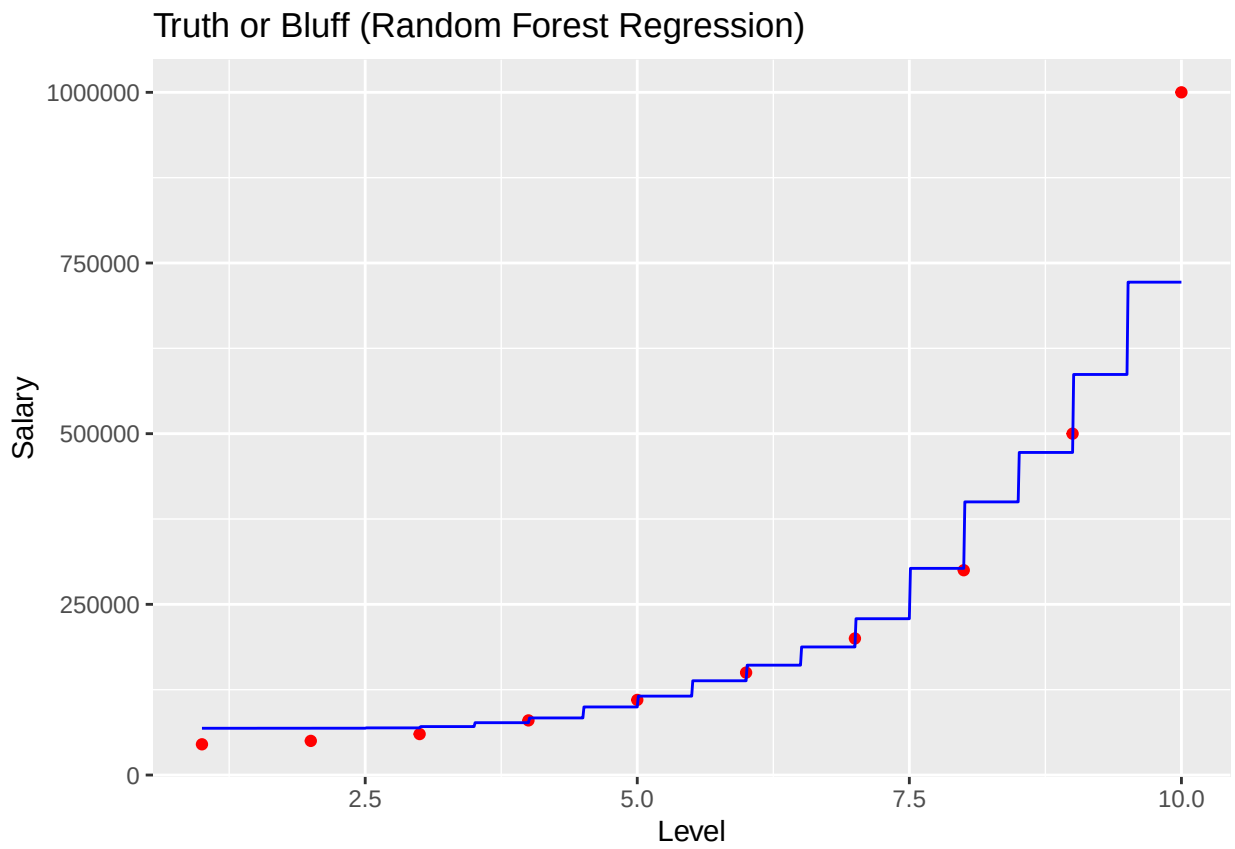
```
library(ggplot2)
```

```
##
## Attaching package: 'ggplot2'
```

```
## The following object is masked from 'package:randomForest':
##
##     margin
```

```
x_grid = seq(min(dataset$Level), max(dataset$Level), 0.01)

ggplot() +
        geom_point(aes(x = dataset$Level, y = dataset$Salary), colour = 'red') +
        geom_line(aes(x = x_grid, y = predict(regressor, newdata = data.frame(Level = x_grid))),
                  colour = 'blue') +
        ggtitle('Truth or Bluff (Random Forest Regression)') +
        xlab('Level') + ylab('Salary')
```


Truth or Bluff (Random Forest Regression)
1000000
750000
500000
250000
0
Salary
2.5
5.0
7.5
10.0
Level